

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 702718 PCT	FOR FURTHER ACTION <small>see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, Item 5 below.</small>	
International application No. PCT/CA 03/ 01168	International filing date (day/month/year) 25/07/2003	(Earliest) Priority Date (day/month/year) 26/07/2002
Applicant LITENS AUTOMOTIVE		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing :

☐ contained in the international application in written form.

☐ filed together with the international application in computer readable form.

☐ furnished subsequently to this Authority in written form.

☐ furnished subsequently to this Authority in computer readable form.

☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☐ **Certain claims were found unsearchable** (See Box I).

3. ☐ **Unity of invention is lacking** (see Box II).

4. With regard to the **title**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

☐ the text is approved as submitted by the applicant.

☒ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the **drawings** to be published with the abstract is Figure No.

☐ as suggested by the applicant.

☐ because the applicant failed to suggest a figure.

☒ because this figure better characterizes the invention.

7
☐ None of the figures.

INTERNATIONAL SEARCH REPORT

International Application No.

PCT/CA 03/01168

Box III TEXT OF THE ABSTRACT (Continuation of item 5 of the first sheet)

A decoupler assembly(20) is provided for allowing an alternator to be rotatably driven by a serpentine belt(14) in an engine of an automotive vehicle and for allowing the speed of the belt to oscillate relative to the alternator. A hub is fixedly carried by a drive shaft(15) from the alternator for rotation therewith. A pulley(50) is rotatably journaled to the hub by a ball bearing member(55). The ball bearing member includes lubricant for minimizing frictional wear therein. A bar, helical clutch spring(71) is operatively coupled between the hub and pulley for transferring rotational movement from the pulley to the hub during acceleration of the pulley relative to the hub by the serpentine belt and for allowing the hub to overrun the pulley during deceleration of the pulley relative to the hub.

INTERNATIONAL SEARCH REPORT

International Application No

PCT/CN/01168

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 F16D41/20

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 F16D

(a) Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

(b) Data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 083 130 A (MEVISSIN PIERRE A ET AL) 4 July 2000 (2000-07-04) cited in the application	1-15
Y	column 22, line 51 - column 25, line 57	16-20
A	figures 15,16,22-24	21-26
Y	WO 01 92746 A (BABCOCK BRYCE ;FRAYER ROBERT (US); MILLER JOHN (US); KING RANDALL) 6 December 2001 (2001-12-06) abstract page 5, line 5 - line 22 figures 2,3	16-20
A	US 5 437 205 A (TSENG SHENG-TSAI) 1 August 1995 (1995-08-01) abstract figures 2,3	21



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

G document member of the same patent family

Date of the actual completion of the international search

26 November 2003

Date of mailing of the international search report

03/12/2003

Name and mailing address of the ISA

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Authorized officer

J. Giráldez Sánchez

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/CA/01168

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 6083130	A	04-07-2000	AT 248300 T	15-09-2003
			AU 7202398 A	27-11-1998
			BR 9809790 A	27-06-2000
			WO 9850709 A1	12-11-1998
			DE 69817556 D1	02-10-2003
			EP 0980479 A1	23-02-2000
			JP 2001523325 T	20-11-2001
			PL 336713 A1	03-07-2000
			HU 0002737 A2	28-12-2000
WO 0192746	A	06-12-2001	EP 1208310 A1	29-05-2002
			EP 1208314 A1	29-05-2002
			EP 1208311 A1	29-05-2002
			EP 1284831 A1	26-02-2003
			EP 1208318 A1	29-05-2002
			EP 1208312 A1	29-05-2002
			EP 1284832 A1	26-02-2003
			EP 1208315 A1	29-05-2002
			EP 1285177 A1	26-02-2003
			EP 1208316 A1	29-05-2002
			WO 0192741 A1	06-12-2001
			WO 0191938 A1	06-12-2001
			WO 0192745 A1	06-12-2001
			WO 0192760 A1	06-12-2001
			WO 0192742 A1	06-12-2001
			WO 0192743 A1	06-12-2001
			WO 0192740 A1	06-12-2001
			WO 0192746 A1	06-12-2001
			WO 0192747 A1	06-12-2001
			WO 0191939 A1	06-12-2001
US 5437205	A	01-08-1995	NONE	

PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY

PCT

NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL SEARCH REPORT OR THE DECLARATION

(PCT Rule 44.1)

To:

MAGNA INTERNATIONAL INC.
Attn. Imai, Jeffrey T.
337 Magna Drive
Aurora, Ontario L4G 7K1
CANADA

Date of mailing
(day/month/year)

03/12/2003

Applicant's or agent's file reference

702718 PCT

FOR FURTHER ACTION

See paragraphs 1 and 4 below

International application No.

PCT/ CA 03/ 01168

International filing date
(day/month/year)

25/07/2003

Applicant

LITENS AUTOMOTIVE

1. ☒ The applicant is hereby notified that the International Search Report has been established and is transmitted herewith.

Filing of amendments and statement under Article 19:

The applicant is entitled, if he so wishes, to amend the claims of the International Application (see Rule 46):

When? The time limit for filing such amendments is normally 2 months from the date of transmittal of the International Search Report; however, for more details, see the notes on the accompanying sheet.

Where? Directly to the International Bureau of WIPO
34, chemin des Colombettes
1211 Geneva 20, Switzerland
Facsimile No.: (41-22) 740.14.35

For more detailed instructions, see the notes on the accompanying sheet.

2. ☐ The applicant is hereby notified that no International Search Report will be established and that the declaration under Article 17(2)(a) to that effect is transmitted herewith.

3. ☐ With regard to the protest against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that:

☐ the protest together with the decision thereon has been transmitted to the International Bureau together with the applicant's request to forward the texts of both the protest and the decision thereon to the designated Offices.

☐ no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made.

4. **Further action(s):** The applicant is reminded of the following:

Shortly after **18 months** from the priority date, the international application will be published by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau as provided in Rules 90b/s.1 and 90b/s.3, respectively, before the completion of the technical preparations for international publication.

Within **19 months** from the priority date, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later).

Within **20 months** from the priority date, the applicant must perform the prescribed acts for entry into the national phase before all designated Offices which have not been elected in the demand or in a later election within 19 months from the priority date or could not be elected because they are not bound by Chapter II.

Name and mailing address of the International Searching Authority



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